

WRITTEN AMENDMENT

(Under Order Based on Provision of Patent Law Section 11)

To: Mr. Takashi Hinatsu, Examiner of the Patent Office

1. Identification of the International Application

PCT/JP03/01511

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4. Object of Amendment

Claims

5. Contents of Amendment

(1) In claim 1, "an optical waveguide having a first core" in line 5 on page 30 is amended to read "a single mode optical waveguide having a first core." The phrase

"an optical waveguide having a second core" in lines 5 to 6 on page 30 is amended to read "a single mode optical waveguide having a second core." The sentence "so that a spot diameter of propagating light becomes larger" is inserted after the sentence "a width of ... other core portions" in lines 18 to 21 on page 30. The sentence "the optical waveguides of ... the core thereof." is inserted between lines 21 and 22 on page 30.

(2) In claim 2, the description "an optical waveguide having at least a first core ... a member having at least one of ... characteristics" is inserted before "further comprising" in line 4 on page 31. The term "a third core" in line 4 on page 31 is amended to read "a single mode optical waveguide having a third core." The description "so that a spot diameter of propagating light becomes larger" is inserted after the phrase "than other core portion" in line 9 on page 31. Further, after the phrase "than other core portion" in line 9 on page 31, the description "a single mode optical ... said groove." is added.

(3) In claim 10, the description "an optical waveguide having said first core and ... are each a single mode optical waveguide" is inserted between lines 11 and 12 on page 33. The description "so that a spot diameter of propagating light becomes larger." is inserted after the

phrase "other core portions in the phrase beginning with "the width of" in line 23 on page 33 and "the optical waveguides of ... of the core." is inserted between lines 3 and 4 on page 34.

(4) In claim 16, "an optical waveguide having a first core" in line 16 on page 35 is amended to read "a single mode optical waveguide having a first core" and "an optical waveguide having a second core" in lines 16 and 17 on page 35 is amended to read "a single mode optical waveguide having a second core." The description "so that a spot diameter of propagating light becomes larger" is inserted after the phrase "other core portions" in line 8 on page 36. Further, "the optical ... of the core." is added between in lines 15 and 16 on page 36.

6. List of Attachments

(1) New sheets of paper describing claims

(pages 17, 17/1, 18, 18/1, 19, 19/1, 20)

... one copy each